



Solving environment-related business problems worldwide

www.deltaenv.com

3164 Gold Camp Drive • Suite 200
Rancho Cordova, California 95670 USA

916.638.2085 800.477.7411
Fax 916.638.8385

April 24, 2006

Colleen Hunt
Regional Water Quality Control Board - North Coast Region
5550 Skyline Boulevard, Suite A
Santa Rosa, California 95403

RE: **Quarterly Summary Report - First Quarter 2006**

Dear Ms. Hunt:

On behalf of ConocoPhillips Company (COP), Delta Environmental Consultants, Inc. (Delta) is submitting the *Quarterly Summary Report, First Quarter 2006*, and forwarding a copy of TRC's *Quarterly Monitoring Report, January through March 2006*, dated March 23, 2006, for the following site. TRC has uploaded a copy of their report to the Geotracker database.


Service Station

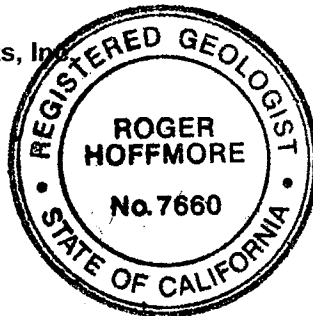
Location

76 Service Station #4320

370 Sebastopol Road
Santa Rosa, California
Sonoma County

Sincerely,
Delta Environmental Consultants, Inc.


Roger Hoffmore
Professional Geologist # 7660



Enclosure

Cc: Mr. Thomas Kosel – ConocoPhillips (electronic copy only)
Mr. John Anderson, County of Sonoma Public Health Division, 475 Aviation Blvd. Suite
220 Santa Rosa, CA 95403
Ms. Elizabeth Cargay, Winzler & Kelly Consulting Engineers

A member of:



Quarterly Summary Report First Quarter – 2006

ConocoPhillips 76 Branded Service Station No. 4320
370 Sebastopol Road
Santa Rosa, CA

County: Sonoma

PREVIOUS ASSESSMENT

The subject site is an operating 76 service station located on the southeast corner of the intersection of Sebastopol Road and Dutton Street in Santa Rosa, California. Properties in the immediate site vicinity are residential and neighborhood commercial.

May 1989: One waste oil underground storage tank (UST) was removed. A hole was noted in the UST and confirmation soil samples were collected. The excavation was then completely excavated to a depth of 9.5 feet below ground surface (bgs). Groundwater was encountered at approximately 10 feet bgs. The bottom sample contained low or non-detect petroleum hydrocarbons and volatile organic compounds (VOCs). The sidewall samples contained low levels of petroleum hydrocarbons. A new 500-gallon double-wall waste oil UST was installed in a new excavation located west of the gasoline USTs.

April 1990: Four monitoring wells were installed onsite to total depths ranging from 22.5 to 24.5 feet bgs. Five onsite soil borings were advanced to 14.5 to 17.5 feet bgs. Groundwater was encountered at 12 to 16.5 feet bgs. Petroleum hydrocarbons in soil samples ranged from non-detect to low levels.

May 1990: A soil gas survey was conducted.

October 1990: Four additional monitoring wells were installed to total depths ranging from 20.5 to 22.5 feet bgs.

December 1990 – January 1991: The gasoline UST and product piping was replaced, impacted soil was excavated, and confirmation soil samples collected. Total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in the soil samples.

The gasoline UST excavation was backfilled with imported fill material and two new 12,000-gallon double-wall USTs were installed in a new excavation located near the northwest corner of the site.

March 1992: Ten exploratory soil borings were advanced at and in the vicinity of the Tosco site. The borings were drilled to depths of approximately 12 to 19 feet bgs. Groundwater was encountered at approximately 12.5 to 19 feet bgs. Grab groundwater samples were collected with a Hydro-punch tool.

December 1992: Four additional monitoring wells installed to depths of 21.5 to 23 feet bgs. Groundwater was encountered at depths from 12.5 to 14.5 feet bgs.

March 1995: Product piping and dispensers were replaced. TPH-g and benzene levels were non-detect to low.

December 1995: Unocal, and the adjoining Exchange Bank and Harriman properties conducted a joint monitoring event. A utility study and door-to-door well survey were conducted. A historical search and file review of the Unocal site and nearby sites was also performed.

April 1995: An oil/water separator located in the middle lube bay was abandoned in-place.

June 1996: One monitoring well was installed offsite. The well was completed to a depth of 21 feet bgs. Groundwater was encountered at 15 feet bgs.

September 1997: One waste oil UST was removed.

August 2001: The Regional Water Quality Control Board - North Coast Region (RWQCB-NCR) requested that site monitoring and sampling be changed for one year as part of an area-wide monitoring program for sites within the McMinn Superfund Area. Groundwater monitoring was to be performed on a predetermined date each month and that groundwater sampling be performed in November, February, May, and August 2002 (RWQCB-NCR, 2001).

November 2004 through February 2005: The installation of shallow and deep hydro-punch borings and monitoring wells commenced. The installation was only partially implemented due to access issues. Remaining wells and soil borings will be installed once necessary off-site access is obtained.

SENSITIVE RECEPTORS

In December 1992, a review of the California Department of Water Resources (DWR) files showed three wells located within ¼-mile of the site. A test well is located approximately 910 feet east of the subject site, an irrigation well is located approximately 610 feet southeast of the site, and a domestic/industrial well is located approximately 760 feet north of the site. Based on the information compiled by the door-to-door well survey, the closest water-producing well to the site is located at 520 Avalon Avenue, approximately 500 feet west of the site.

Delta is currently performing an internal sensitive receptor survey with completion anticipated during the second quarter 2006.

MONITORING AND SAMPLING

Currently seventeen wells (eleven onsite and six offsite) are gauged quarterly. Ten wells are sampled quarterly. The remaining seven wells are sampled semi-annually.

During the first quarter monitoring and sampling event, seventeen wells were gauged and sampled on February 24, 2006.

As reported, the depth to groundwater ranged from 5.81 (MW-11) to 7.95 (MW-9) feet below TOC. The average groundwater elevation increased 1.97 feet from the previous sampling event (December 5, 2005). The interpreted groundwater gradient remained consistent at 0.003 ft/ft. The first quarter groundwater flow direction was southwest compared to west during the previous quarter monitoring and sampling event.

CHARACTERIZATION STATUS

Petroleum hydrocarbons impacts are not fully assessed. Additional assessment is currently in progress pending obtaining off-site access agreements.

TPPH was reported in four of the seventeen sampled wells with a maximum concentration of 1,600 micrograms per liter ($\mu\text{g/l}$) in on-site well MW-6. This is a decrease in reported TPPH concentration from 1,700 $\mu\text{g/l}$, reported as TPH-G, in well MW-6 during the previous sampling event.

Benzene was reported in three of the seventeen sampled wells with a maximum concentration of 2.3 $\mu\text{g/l}$ in on-site well MW-6. This is an increase in reported benzene concentration from ND <0.50 $\mu\text{g/l}$ in well MW-6 during the previous sampling event.

Methyl tertiary butyl ether (MTBE) was reported in seven of the seventeen sampled wells with a maximum concentration of 51 $\mu\text{g/l}$ reported in on-site well MW-5 by EPA Method 8260B. This is a decrease in reported MTBE concentration from 70 $\mu\text{g/l}$ in well MW-5 during the previous sampling event.

REMEDIATION STATUS

In May 1989, approximately 30 cubic yards of soil was excavated and removed from the site as part of a waste oil UST removal. The tank pit was over-excavated to a depth of 9.5 feet bgs.

Active remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

A letter dated December 28, 2005 was received by COP from the RWQCB-NCR requesting submittal of quarterly monitoring reports within 30 days after the end of a quarter. RWQCB-NCR also requested a summary report on the portion of the *Revised Site Assessment Workplan* dated July 23, 2004 that has been completed.

CURRENT QUARTER ACTIVITIES: (First Quarter 2006)

- The first quarter 2006 groundwater monitoring and sampling was performed by TRC on February 24, 2006.
- Delta continued attempts to obtain access agreement from Jack in the Box for the installation of an off-site monitoring well and soil borings. Assessment activities are currently on hold contingent upon obtaining the additional off-site access agreement.
- An assessment report reporting the installation of borings and wells was issued by Delta on February 22, 2006.

NEXT QUARTER ACTIVITIES: (Second Quarter 2006)

- TRC will perform the second quarter 2006 monitoring and sampling event.
- Delta and COP will continue to pursue the necessary off-site access agreement. Once the off-site access issue is resolved, Delta will proceed with the installation of remaining borings and wells. COP is still attempting to obtain access to the Jack in the Box property for borings/wells MW-20B and HP-21.
- Delta will continue preparation of an internal Sensitive Receptor Survey with completion anticipated in the second quarter 2006.
- Delta will begin evaluation of possible remedial options for the site.

CONSULTANT: Delta Environmental Consultants, Incorporated